PATENT Docket No. 58598-010100

FOR DISCUSSION PURPOSE ONLY

AMENDMENTS TO THE CLAIMS

The listing of claims will replace without prejudice, alteriorage sons, and listings, of claims in the application

Claims 1 - 29 (cancelled)

Claim 30 (currently amended). A process for producing products in a powderized form comprising:

powdenzed form and having a first density

generating pellets of the particulate matter in substantial absence of fillers, diluents or binders; and

milling the pellets into a second powderized form, whereby the second powderized form of the particulate has a greater density than the first density.

Claim 31 (cancelled)

Claim 32 (previously presented): A process as claimed in claims 30 including introducing hydration into the pellet mill during formation of pellets.

Claim 33 (previously presented): A process as claimed in claim 30 including ensuring that the particulate matter includes material for at least one of pharmaceutical, nutritional or herbal end product.

Claim 34 (previously presented): A process as claimed in claim 30 including applying hydration at a selected temperature and pressure and condensation characteristic to the pellet mill during pelletization thereby to increase the moisture content of the product.

Claim 35 (previously presented): A process as claimed in claim 34 including ensuring that the product with increased moisture content is forced under pressure through a spinning perforated die of a predetermined dimension thereby to obtain a pellet of a selected size, and means for

PATENT Docket No. 58598-010100

FOR DISCUSSION PURPOSE ONLY

effecting the forcing through the die being effected selectively by eounter rotating inner roller means.

Claim 36 (previously presented): A process as claimed in Stam 35 including cooling the pellets to a substantially ambient temperature motive being miled by the milling means.

Claim 37 (previously presented) A process as claimed in claimed including pre-milling for processing raying agreements to obtain apparticulate matter for feeding integrite pellet mill.

Claim 38 (previously presented): A process as claimed in claim 30 including ensuring that the size of a particulate in the first form is greater than about 150 midrons.

Claim 39 [previously presented]: A process as claimed in claim 30 including conditioning the particulate material in a conditioning chamber thereby to be penetrated by at at least about 95% hydration under a pressure of about 40 to about 80 PSI thereby to hydrate the particulate matter and thereby add about 1% moisture to the particulate matter.

Claim 40 (previously presented): A process as claimed in claim 39 including cooling an outlet from a pellet mill for permitting ambient air to pass through a bed containing pellets discharged from the pelletizing mill.

Claim 41 (previously presented): A process as claimed in claim 30 including ensuring that the milled pellets output in a powderized form has an approximate size between about 100 to about 1300 microns, or of a size where essentially most of the powderized product is between a 14 mesh to a 150 mesh.

Claim 42 (previously presented): A process as claimed in claim 30 including ensuring that the powderized form of the milled product has a particle size permitting about 100% passage through a 60 to 80 mesh.

Claim 43 (currently amended): A process for producing pharmaceutical, nutritional or herbal end powdered product, wherein the density of the pharmaceutical nutritional or herbal powdered and product in a powderized form is increased comprising:

PATENT

FOR DISCUSSION PURPOSE ONLY Docket No. 58598-010100

directing particulate matter that constitute a pharmaceutical nutritional or herbal powdered end product into a pellet mill, the particulate matter being in a first powderized form and having a first density;

generating pellets of the particulate matter for consultant the harmaceutical, nutritional or herbal powdered end productions abstantial absence of filles, druents or binders; and

milling the pellets into a second powderized form whereby the second powderized form of the particulate for constituting the pharmaceutical muritional or herbal powdered end product has a greater density than the first density.

Claim 44 (cancelled)

Claim 45 (previously presented): A process as claimed in claim 43 including applying hydration at a selected temperature and pressure and condensation characteristic to the pellet mill during pelletization thereby to increase the moisture content of the product.

Claim 46 (previously presented): A process as claimed in claim 45 including ensuring that the product with increased moisture content is forced under pressure thought a spinning perforated die of a predetermined dimension thereby to obtain a pallet of a selected size, and means for effecting the forcing though the die being effected selectively by eounter rotating inner roller means.

Claim 47 (previously presented) A process as claimed in claim 46 including cooling the pellets to a substantially ambient emperature prior to being milled.

Claim 48 (previously presented): A process as claimed in claim 43 including pre-milling for processing raw materials to obtain a particulate matter for feeding into the pellet mill.

Claim 49 (previously presented): A process as claimed in claim 43 including ensuring that the size of particulate in the first form is greater than about 150 microns.

Claim 50 (previously presented): A process as claimed in claim 43, including conditioning the product to ensure that the particulate material is penetrated by at at least 95% hydrates under a

PATENT Docket No. 58598-010100

FOR DISCUSSION PURPOSE ONLY

pressure o about 40 to about 80 PSI thereby to hydrate the particulate matter and thereby add about 1% moisture to the particulate matter.

Claim 51 (previously presented): A precess a claimed in Claim 50 including cooling at an outlet from the pelletizing mill for permitting amplendair to passition a bed containing pellets discharged from the pellet mill.

Claim 52 (previously presented) A process as claimed in claim 43 moduling ensuring that the milled pellets output has an approximate size between about 100 to about 1300 microns, or of a size where essentially most of the product's between a 14 mesh to a 150 mesh.

Claim 53 (previously presented): A process as claimed in claim 43 including ensuring that the powderized form of the milled product has a particle size permitting about 100% passage through a 60 to 80 mesh.

Claim 54 (currently amended): A process for forming a pharmaceutical, nutritional or herbal powderized end product wherein the density of pharmaceutical, nutritional or herbal powderized end product in a powderized form is increased comprising:

directing particulate matter to constitute a pharmaceutical, nutritional or herbal powderized end product into a pelletizing mill, the particulate matter being in a first powderized form and having a first density;

generating pellets of the particulate matter for constituting the pharmaceutical nutritional herbal end product in substantial assence of fillers, diluents or binders; and

milling the pellets into a second powderized form for the pharmaceutical, nutritional or herbal powderized end product . the second powderized form having a second density greater than the first density, ; and

preventing the additional fillers and diluents to the pharmaceutical, nutritional or herbal powderized end-product matter thereby to provide a pharmaceutical, nutritional or herbal powderized end product having a density greater than at least from about 14% to about 40%

PATENT Docket No. 58598-010100

FOR DISCUSSION PURPOSE ONLY

relative to a standard pharmaceutical, nutritional or herbal powderized end product where said pellets are generated in presence of the fillers diluents or standard.

Claim 55 (currently amended): A milled produce produced obtainable by the a process of claim 30 wherein the density of the particulate manner in the second powder ed form is of a relatively greater density than in the form product to being generated into selector producing products in a powderized form comprising: directors particulate matter into a pelicipall, the particulate matter being in a first powderized form and having a first density; generating pellets of the particulate matter in substantial absence of fillers, dilbents or binders, and milling the pellets into a second powderized form, where by the second powderized form of the particulate has a greater density than the first density

Claim 56 (cancelled):

Claim 57 (currently amended): A milled product produced obtainable by the a process of claim 33 wherein the density of the particulate manner in the second powderized form is of a relatively greater density than in the form prior to being generated into a pellet for producing products in a powderized form comprising: directing particulate matter into a pellet mill the particulate matter being in a first powderized form and having a first density; generating pellets of the particulate matter in substantial absence of fillers, diluents or binders, and milling the pellets into a second powderized form, whereby the second powderized form of the particulate has a greater density than the first density, further comprising ensuring that the particulate matter includes material for at least one of pharmaceutical, nutritional or herbal end product.

Claim 58 (currently amended): A milled product produced obtainable by the a process of claim 38 wherein the density of the particulate manner in the second powderized form is of a relatively grater density then in the form prior to being generated into a pellet for producing products in a powderized form comprising: directing particulate matter into a pellet mill, the particulate matter being in a first powderized form and having a first density; generating pellets of the particulate matter in substantial absence of fillers, diluents or binders; and milling the pellets into a second powderized form, whereby the second powderized form of the particulate has a greater density

From-Greenberg

PATENT Docket No. 58598-010100

FOR DISCUSSION PURPOSE ONLY

than the first density, further comprising ensuring that the size of a particulate in the first form is greater than about 150 microns.

Claim 59 (currently amended): A milled producing reduced obtainable by the a process of claim 41 wherein the density of the particulate manufer. In the second powder density then in the form being to being generated into a pellet for producing products in a powderized form comprising: directing particulate matter into a pellet for producing products in a powderized form and having a first density; generating pellets of the particulate matter being in a first powderized form and having a first density; generating pellets of the particulate matter in substantial absence of fillers diluents or binders and milling the pellets into a second powderized form. Whereby the second powderized form of the particulate has a greater density than the first density further comprising ensuring that the milled pellets output in a powderized form has an approximate size between about 100 to about 150 microns. or of a size where essentially most of the powderized product is between a 14 mesh to a 150 mesh.

Claim 60 (currently amended): A milled product produced obtainable by the a process of claim 42 wherein the density of the particulate manner in the second powderized form is of a relatively grater density then in the form prior to being generated into a pellet for producing products in a powderized form comprising directing particulate matter into a pellet mill, the particulate matter being in a first powderized form and having a first density; generating pellets of the particulate matter in substantial absence of fillers, diluents or binders; and milling the pellets into a second powderized form, whereby the second powderized form of the particulate has a greater density than the first density, further comprising ensuring that the powderized form of the milled product has a particle size permitting about 100% passage through a 60 to 80 mesh.

Claim 61 (currently amended): A milled product produced obtainable by the a process of claim 54 wherein the density of the particulate manner in the second powderized form is of a relatively grater density then in the form prior to being generated into a pellet, process for forming a pharmaceutical, nutritional or herbal powderized end product wherein the density of pharmaceutical nutritional or herbal powderized end product in a powderized form is increased comprising: directing particulate matter to constitute a pharmaceutical, nutritional or herbal powderized end product into a pelletizing mill, the particulate matter being in a first powderized

04:09pm

PATENT Docket No. 58598-010100

FOR DISCUSSION PURPOSE ONLY

form and having a first density: generating pellets of the particulate matter for constituting the pharmaceutical nutritional herbal end product in substantial absence of fillers, diluents or binders; and milling the pellets into a second peoplerized compliance pharmaceutical, nutritional or herbal powderized end product, the second powderized form thaving a second density greater than the first density, to provide a pharmaceutical mutritional powderized end product having a density greater than at least from about 14% of about 40% relative to a pharmaceutical, nutritional or decidal powderized end product where said pellets are generated in presence of fillers, diluents or binders.

Claim 62 (new): A process for producing a product in a powderized form comprising:

directing particulate matter into a peller mill, the particulate matter being in a first powdenzed form and having a first granularity.

generating pellets of the particulate matter in substantial absence of fillers, diluents or binders; and

milling the pellets into a second powderized form, whereby the second powderized form of the particulate matter has a greater granularity than the first granularity.

Claim 63 (new): The process of claim 62, wherein the particulate matter is selected from the group consisting of particulate matter of whole plants, leaves, roots, dried fruits and active pharmaceuticals.

Claim 64 (new): The process of Claim 63, wherein the particulate matter of whole plant, root, leaf and dried fruit, is particulate matter from a plant selected from the group consisting of Ginko, Korean ginseng, Echinacea purpurea, Gota Kola, Valerian Officinalis. Siberian ginseng, Feverfew, Astragalus, Red Raspeberry, Foti, Alfalfa, Ginger, Black Cohosh, Cat's Claw, Nettle, St John Wort, Echinacea Angustifolia and Red Clover.

Claim 65 (new): The process of claim 62, wherein the particulate matter is selected from the group consisting of Gingko leaf, Korean Ginseng root, Echinacea Purpurea herb, Gota kola herb, Valerian Officinalis root, Siberian Ginseng root, Feverfew herb, astragalus root, Red Raspberry

PATENT Docket No. 58598-010100

Serial No. 09/836,003

FOR DISCUSSION PURPOSE ONLY

leaf, Foti root, Alfalfa herb, Ginger root, Black Cohosh root, Cat's claw root, Nettle root, St. John Wort herb, Echinacea Angustifolia root and Red Cloves

Claim 66 (new): A milled product obtamable aproducing a product in a powderized form comprising:

directing particulate matterior a pharmaceur al active interapellet mill, the particulate matter being in a hast powderized form and having a first granularity

generating pellers of the particulate matter in substantial absence of fillers, diluents and lers; and

milling the pellets into a second powderized form, where the second powderized form of the particulate has a greater granularity than the first granularity.

Claim 67 (new): The milled product of claim 66, wherein the particulate matter is selected from the group consisting of particulate matter of whole plants, leaves, roots, dried fruits and active pharmaceuticals.

Claim 68 (new): The milled product of claim 67, wherein the particulate matter of whole plant, root, leaf and dried fruit, is particulate matter from a plant selected from the group consisting of Ginko, Korean ginseng, Echinacea purpurea, Gota Kola, Falerian Officinalis, Siberian ginseng, Feverfew, Astragalus, Red Raspeberry, Foti, Alfalfa, Ginger, Black Cohosh, Cat's Claw, Nettle, St John Wort, Echinacea Angustifo and Red Clover.

Claim 69 (new): The milled product of claim 66, wherein the particulate matter is selected from the group consisting of Gingko leaf, Korean Ginseng root, Echinacea Purpurea herb, Gota kola herb, Valerian Officinalis root, Siberian Ginseng root, Feverfew herb, astragalus root, Red Raspberry leaf, Foti root, Alfalfa herb, Ginger root, Black Cohosh root, Cat's claw root, Nettle root, St. John Wort herb, Echinacea Angustifolia root and Red Clover tops.

Claim 70 (new): The milled product of claim 66, wherein the milled product is a pharmaceutical, nutritional or herbal product.

FOR DISCUSSION PURPOSE ONLY

Claim 71 (new): The milled product of claim 67, wherein the milled product is a pharmaceutical, nutritional or herbal product.

Claim 72 (new): The milled product of claim 68 where of the milled product is a pharmaceutical, nutritional or herbal product.

Claim 73 (new): A process for producing a product a powderized form comprising:

directing paniculate matter miora pellet min the particulate matter being in a first powderized formand having a first flowability;

generating pellets of the particulate matter in substantial absence of fillers, diluents or binders; and

milling the pellets into a second powderized form, whereby the second powderized form of the particulate matter has a greater flowability than the first flowability.

Claim 74 (new): The process of claim 73, wherein the particulate matter is selected from the group consisting of particulate matter of whole plants leaves, roots, dried fruits and active pharmaceuticals.

Claim 75 (new): The process of claim 74, wherein the particulate matter of whole plant, root, leaf and dried fruit, is particulate matter from a plant selected from the group consisting of Ginko, Korean ginseng, Echinacea purpurea. Gota Kola, Valerian Officinalis, Siberian ginseng, Feverfew, Astragalus, Red Raspeberry, Foti, Alfalfa, Ginger, Black Cohosh, Cat's Claw, Nettle, St John Wort, Echinacea Angustifolia and Red Clover.

Claim 76 (new): The process of claim 73, wherein the particulate matter is selected from the group consisting of Gingko leaf, Korean Ginseng root, Echinacea Purpurea herb, Gota kola herb, Valerian Officinalis root, Siberian Ginseng root, Feverfew herb, astragalus root, Red Raspberry leaf, Foti root, Alfalfa herb, Ginger root, Black Cohosh root, Cat's claw root, Nettle root, St. John Wort herb, Echinacea Angustifolia root and Red Clover tops.

PATENT Docket No. 58598-010100

FOR DISCUSSION PURPOSE ONLY

Claim 77 (new): A milled product obtainable by a process for producing a product in a powderized form comprising:

directing particulate matter of a pharmacellical acrive matter being in a first powderized form and basely acrive matter being in a first powderized form and basely acrive grant acrive matter being in a first powderized form and basely acrive acrive grant acrive matter being in a first powderized form and basely acrive acrive matter being in a first powderized form and basely acrive acrive matter being in a first powderized form and basely acrive acrive matter being in a first powderized form and basely acrive acrive matter being in a first powderized form and basely acrive matter being in a first powderized form and basely acrive matter being in a first powderized form and basely acrive matter being in a first powderized form and basely acrive matter being in a first powderized form and basely acrive matter being in a first powderized form and basely acrive matter being in a first powderized form and basely acrive matter being in a first powderized form and basely acrive matter being in a first powderized form and basely acrive matter being in a first powderized form and basely acrive matter being in a first powderized form and basely acrive matter being in a first powderized form and basely acrive matter being in a first powderized form and basely acrive matter being a first powderized form and basely acrive matter being acrive matter being a first powderized form and basely acrive matter being a first powderized form and basely acrive matter being a first powderized form and basely acrive matter being a first powderized form and basely acrive matter being a first powderized form and basely acrive matter being a first powderized for a first powderized form and basely acrive matter being a first powderized for a firs

generating pellets of the particulate matter substantial absence of fillers, diluents or binders; and

milling the pellets into a second powderized form whereby the second powderized form of the particulate has a greater granularity than the first granularity.

Claim 78 (new): The milled product of claim 77, wherein the paraculate matter is selected from the group consisting of particulate matter of whole plants, leaves, roots, dried fruits and active pharmaceuticals.

Claim 79 (new): The milled product of claim 78, wherein the particulate matter of whole plant, root, leaf and dried fruit, is particulate matter from a plant selected from the group consisting of Ginko, Korean ginsong, Echinacea purpurea, Gota Kola, Valerian Officinalis, Siberian ginsong, Feverfew, Astragalus, Red Raspeberry, Foti, Alfalfa, Ginger, Black Cohosh, Cat's Claw, Nettle, St John Wort, Echinacea Angustifolia and Red Clover.

Claim 80 (new): The milled product of claim 77, wherein the particulate matter is selected from the group consisting of Gingko leaf, Korean Ginseng root, Echinacea Purpurea herb, Gota kola herb, Valerian Officinalis root, Siberian Ginseng root, Feverfew herb, astragalus root, Red Raspberry leaf, Foti root, Alfalfa herb, Ginger root, Black Cohosh root, Cat's claw root, Nettle root, St. John Wort herb, Echinacea Angustifolia root and Red Clover tops.

Claim 81 (new): The milled product of claim 77, wherein the milled product is a pharmaceutical, nutritional or herbal product.

Claim 82 (new): The milled product of claim 78, wherein the milled product is a pharmaceutical, nutritional or herbal product.

03-25-04

PATENT Docket No. 58598-010100

FOR DISCUSSION PURPOSE ONLY

Claim 83 (new): The milled product of claim 79, wherein the milled product is a pharmaceutical, nutritional or herbal product.